

Internal and external factors promoting the Diels-Alder reaction

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Abstract

The basic chemical and physical factors determining the rate and equilibrium of the Diels-Alder reaction under standard and high hydrostatic pressures were considered. The search for favorable conditions for this process makes it possible to extend the range of potential reactants and to perform reactions that earlier considered to be forbidden. © 2013 Springer Science+Business Media New York.

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Keywords

catalysis, Diels-Alder reaction, high pressure, reaction volume, volume of activation